

**NONPROVISIONAL PATENT  
APPLICATION TRANSMITTAL RULE §1.53(b)  
IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Customer No. 004372  
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Docket No. 023407-00001  
Date: December 2, 2003

Commissioner for Patents  
Washington, D.C. 20231

Sir:

Transmitted herewith for filing under 37 C.F.R. §1.53(b) is a nonprovisional patent application:

For (Title): MULTI-STAGE HEAT ABSORBING REACTOR AND PROCESS FOR SCR  
OF NOX AND FOR OXIDATION OF ELEMENTAL MERCURY

By (Inventors): J. Edward Cichanowicz

- ☒ 50 pages of Specification/Claims 1-25/Abstract are attached.  
☒ Formal drawings (Fig(s). 1-13; 13 sheet(s)) is/are attached.  
☒ A Declaration and Power of Attorney is attached.  
☐ An assignment of the invention to \_\_\_\_\_ is attached, along with Form PTO-1595 and a check for \$40.00.  
☒ An Information Disclosure Statement is attached, along with Form PTO-1449, and 1 reference.  
☐ This application is entitled to Small Entity Status.  
☐ A Preliminary Amendment is attached.  
☐ Please amend the specification by inserting before the first line the sentence --This nonprovisional application claims the benefit of U.S. Provisional Application No. \_\_\_\_\_, filed \_\_\_\_\_ --  
☐ Priority of foreign application No. \_\_\_\_\_ filed \_\_\_\_\_ in \_\_\_\_\_ is claimed under 35 U.S.C. §119.  
☐ A certified copy of the above corresponding foreign application is attached.

The filing fee is calculated below and includes claim status after entry of any Preliminary Amendment noted above:

|  |           |           | SMALL ENTITY |        |    | LARGE ENTITY |        |
|--|-----------|-----------|--------------|--------|----|--------------|--------|
| FOR:   | NO. FILED | NO. EXTRA | RATE         | FEE    | OR | RATE         | FEE    |
| BASIC FEE  |           |           |              | \$ 385 | OR |              | \$ 770 |
| TOTAL CLAIMS                                       | 25 - 20   | = 5       | x 9 =        | \$ 45  | OR | x 18         | \$     |
| INDEP CLAIMS                                       | 4 - 3     | = 1       | x 43 =       | \$ 43  | OR | x 86         | \$     |
| <input type="checkbox"/> MULTIPLE DEPENDENT CLAIMS |           |           | +145 =       | \$     | OR | +290         | \$     |
|  |           |           | TOTAL        | \$ 473 | OR | TOTAL        | \$     |

- ☒ A check in the amount of \$473.00 is attached. Please charge any fee deficiency or credit any overpayment to Deposit Account No. 01-2300, referencing attorney docket no. 023407-00001.

Respectfully submitted,



Robert K. Carpenter  
Registration No. 34,794

RKC/tdd